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1898

WILLIAM EWING & CO'S CATALOGUE



OF
FLOWERING
BULBS,
PLANTS,
AND
HORTICULTURAL
SUNDRIES.

WILLIAM EWING & CO
SEED MERCHANTS,
142 M^E GILL ST^{AND}
COR. ST MAURICE & ST HENRY ST^S
MONTREAL.



CATALOGUE OF
BULBS AND PLANTS.



FALL, 1898.



WILLIAM EWING & Co.
MONTREAL



✻ ✻ 1898 ✻ ✻

Yours truly,

142 McGill St., MONTREAL.

Cultural directions furnished with each order when desired.

COLLECTIONS OF .. BULBS ..

Orders for the following Bulbs, accompanied with cash, will be forwarded freight or post paid to any part of the Dominion.

Bulbs are carefully selected and the prices will be found much lower than ordinary list prices.

No. 1.—50 CENT COLLECTION of Winter Flowering Bulbs.

Comprising—6 Hyacinths, 3 Roman Hyacinths, 3 Paper White Narcissus, 6 Freesias, 3 Von Sion Daffodils.

No. 2.—DOLLAR COLLECTION of Winter Blooming Bulbs.

Comprising—10 Hyacinths, 1 Easter Lily, 6 Roman Hyacinths, 3 Paper White Narcissus, 6 Freesias, 3 Von Sion Daffodils, 25 Crocus and 12 Tulips.

No. 3.—DOLLAR COLLECTION

Of Bulbs for Outdoor Culture, For Spring Blooming.

Comprising—6 Hyacinths, 20 Grape Hyacinths, 25 Crocus, 25 Tulips, 10 Daffodils, 12 Snowdrops, 6 Scilla Siberica, 6 Jonquils.

We furnish Cultural Directions when desired.



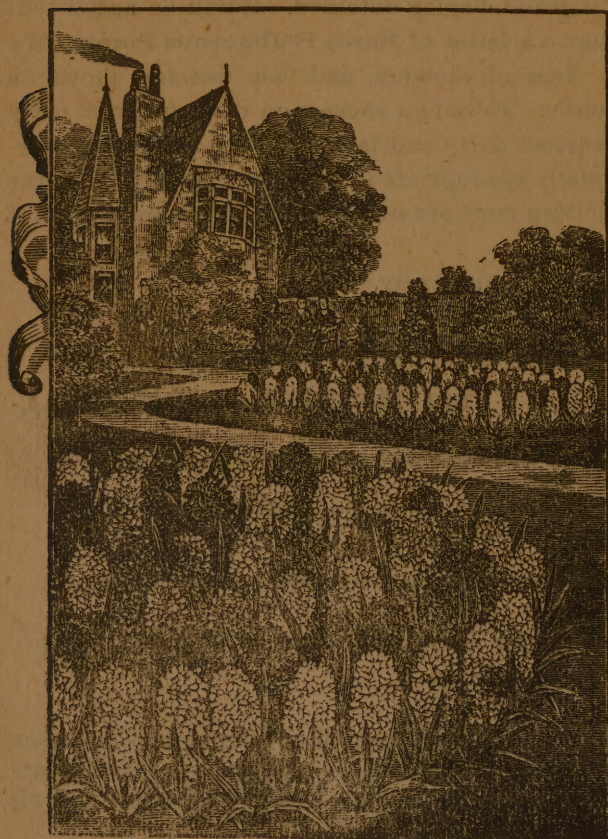
Hyacinths

Are the most popular of the Dutch Bulbs for indoor decoration, and they are equally effective in the open ground. We recommend the single varieties for growing in water, while in pots or in the open ground, single and double are equally popular.

Culture.—Whether grown in glasses with water, or in earth for greenhouse or parlour decoration, the pots and glasses must be placed in a dark cool place for six weeks, at least. Free rich soil is necessary to successful pot culture or in beds outside, and a good compost is equal parts river sand, well rotted cow manure and good garden soil, or well rotted loamy turf.

Mixed Named Varieties but in Separate Colours. Suitable for Bedding.

These are sound healthy bulbs, and will be sure to give satisfaction. Their low price should cause them to be extensively planted.



	PER 100.	PER DOZ.		PER 100.	PER DOZ.
Single white and blush.....	\$3 50	50c.	Double white and blush.....	\$3 50	50c.
“ dark red and pink.....	3 25	45	“ dark red and pink.....	3 25	45
“ blue.....	3 25	45	“ blue.....	3 25	45
“ yellow.....	3 50	50	“ yellow.....	3 50	50
“ all colours mixed.....	3 25	45	“ all colours mixed.....	3 25	45

Choice Named . . .

HYACINTHS

For Forcing.



The most effective way of forcing Hyacinths is to grow a clump of a half dozen bulbs of a good forcing variety, in an eight-inch pot. The following are correctly named, good sized bulbs, just suitable for this sort of cultivation, as well as for growing in glasses.

Single Red and Rose.—Gertrude, Homerus, L'Adorable, La Reine des Jacinthes, Madame Hodson, Robert Steiger, Gigantea, Grand Vainqueur, Norma, Sultan's Favourite.

Single White.—Alba Superbissima (Theba) Baron Van Tuyll, Blanchard, Crown Princess, La Candeur, La Franchise, La Grandesse, Grandeur à Merveille, La Belle Blanchisseuse, Mary Stuart, Voltaire.

Single Blue.—Argus, Baron Von Tuyll, Blue Mourant, Blondin, Czar Peter, Charles Dickens, Grand Maître, La Peyrouse, Marie, Mimosa, Regulus.

Single Yellow.—Héroïne, La Pluie d'Or.

PRICE OF ABOVE, YOUR OWN SELECTION.

Per 100 \$5.00. 25 bulbs at 100 rates. Per dozen 75c.

Select Named Single Hyacinths

These are first quality bulbs, specially selected for growing in water and of course equally adapted for growing in earth.

SINGLE RED.

	Per doz.	Each.
Amy. —Dark red, fine truss.....	75c.	10c.
Baron Van Tuyll. —Pale rose, very early.....	80	10
Belle Corinne —Dark rose, close spike.....	75	10
Cosmos. —Dark rose, large spike.....	75	10
Gertrude. —Rosy pink, large compact truss.....	75	10
General Pelissier. —Deep crimson, early.....	75	10
Gigantea. —Blush, large broad spike.....	90	12½
Homerus. —Very early, dark rosy red.....	\$1.00	15
Macaulay. —Perfect truss, bright carmine.....	80	10
Madame Hodson. —Pink, fine for glasses.....	80	10
Norma. —Palewaxy pink, large bells, distinct colour....	80	10
Queen of Hyacinths. —Bright crimson, fine truss...\$1.00	15	
Roi des Belges. —Deep red.....	1.00	15
Sir Robert Steiger. —Fine deep crimson, fine.....	75	10
Sultan's Favourite. —Blush pink, shaded.....	75	10
Von Schiller. —Salmon pink, crimson stripes....	1.00	15



HYACINTHS.—CONTINUED.

SELECT NAMED SINGLE VARIETIES.—CONTINUED.

SINGLE WHITE.

	Per doz.	Each.
Alba Superbissima. —Fine truss, pure white.....	\$1.00	15c.
Angenis Christina. —Pure white.....	1.25	20
Baron Van Tuyl. —Pure white, very early.....	80c.	10
Blanchard. —Pure white, early.....	1.00	15
Crown Princess. —Early, pure white.....	1.50	20
Grand Vedette. —Large bells, pure white.....	1.50	20
Grandeur a Merveille. —Grand truss, bluish white, extra fine.....	90c.	15
La Candeur. —Pure white.....	1.00	15
La Grandesse. —Pure white, handsome spike, a grand variety.....	1.50	20
La Franchise. —Pale creamy white.....	1.00	15
L'Innocence. —Pure white, splendid truss.....	1.00	15
Madame Van der Hoop. —Purest white, extra large bells.....	1.00	15
Mont Blanc. —Snowy white, large bells.....	1.25	15
Paix de L'Europe. —Pure white, drooping bells, large truss.....	80c.	10
Queen Victoria. —Pure white, large truss.....	1.00	15
Vesta. —Creamy white, large spike... ..	80c.	10
Voltaire. —Cream colour, fine truss..	80c.	10

SINGLE BLUE.

	Per doz.	Each.
Argus. —Dark blue with white eye... ..	\$1.00	15c.
Bleu Mourant. —Dark shining blue.....	80c.	10
Charles Dickens. —Light blue, splendid.....	1.00	15
Czar Peter. —Light porcelain, shaded lilac, grand spike.....	1.25	15
King of the Blues. —Rich dark blue, splendid compact truss.....	80c.	10
La Peyrouse. —Clear porcelain blue.....	80c.	10
Leonidas. —Light blue, fine truss.....	80c.	10
Marie. —Fine purplish blue.....	90c.	10
Queen of the blues. —Light blue, large truss.....	1.25	15
Regulus. —Pale blue, large bells.....	80c.	10
William 1st. —Black blue, early.....	1.25	15
Uncle Tom. —Blackish purple, good truss.....	90c.	10

SINGLE YELLOW.

Herman. —Orange, large bells.....	1.00	10
Heroine. —Bright citron, green tips..	1.25	15
La Pluie d'Or. —Pale yellow, early..	1.25	15
L'Or d'Australie. —Light yellow.....	1.50	20



Select Named Double Hyacinths.

These are specially selected solid bulbs.

DOUBLE ROSE AND RED.

	Per doz.	Each.
Bouquet Royal. —Rose with red centre.....	\$1.00	12½c.
Czar Nicolas. —Delicate rose.....	80c.	10
Grootvorst. —Rosy salmon, dark centre, large truss.....	80c.	10
Lord Wellington. —Delicate rose, immense bells.....	1.25	15
Noble par Merite. —Blush rose, large truss, early.....	90c.	10
Prince of Orange. —Semi double, bluish pink, beautiful spike, very early.....	80c.	10
Princess Royal. —Bright rose centre, good truss.....	90c.	10
Waterloo. —Carmine Rose, fine spike, and sure flowerer... ..	90c.	10

DOUBLE WHITE.

	Per doz.	Each.
Anna Maria. —Blush, with purple centre.....	\$1.20	15c.
Don Gratuit. —Pure white, early.....	1.20	15
Duchess of Bedford. —Pure white... ..	80c.	10
La Tour d'Auvergne. —Pure white, fine for forcing.....	1.25	15
Non plus Ultra. —Rosy centre, with large bells.....	1.25	15
Prince of Waterloo. —Pure white, large truss.....	1.50	20
Sceptre d'Or. —Fine white, yellow centre.....	1.25	15

DOUBLE BLUE.

A la Mode. —Light blue, dark cen.....	1.25	15
Blocksberg. —Bright porcelain, good truss, one of the best.....	\$1.25	15c.

	Per doz.	Each.
Garrick. —Lilac blue, splendid.....	80c.	10
General Antink. —Light blue, good truss.....	90c.	10
Lord Wellington. —Dark blue, fine truss.....	90c.	10
Pasquin. —Porcelain, dark centre.....	90c.	10
Prince of Saxe Weimar. —Dark blue, large spike.....	90c.	10
Rembrandt. —Dark porcelain, large bells.....	1.25	15

DOUBLE YELLOW.

Bouquet d'Orange. —Orangesalmon, early.....	1.25	15
Goethe. —Pale yellow, fine bells, early.....	1.00	12½
Jaune Supreme. —Rich yellow, early.....	2.00	20



Early Roman Hyacinths.

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Roman Hyacinths should be more generally cultivated by amateurs than they are, as they flower so freely and so very early. The bells are much smaller than ordinary Hyacinths, but each bulb gives 3 or 4 spikes of the purest white blooms, which are of most exquisite fragrance.

Plant them as early as possible, and give the same treatment as Hyacinths in pots.

Half a dozen or more bulbs in a pot make a fine display, and they may be had in bloom for Christmas and New Year.

				Per 100.	Per doz.	Each
White Romans—Selected largest bulbs						
		French grown.....		\$2.75	45c.	5c.
"	"	" Dutch grown.....		2.00	35c.	5c.
Pink	"	" " " " " "		2.00	35c.	5c.

Grape Hyacinths.

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Fine for outdoor culture, for edging borders; they flower early and make a fine succession to Crocus.

Muscari Botryoides	Per 100	75c.
Beautiful azure blue	" doz.	10c.
Muscari—White	" 100	75c.
.....	" doz.	10c.



CROCUS.

One of the first of spring flowers is the Crocus, with its showy colours of yellow, purple, white, blue and intermediate shades. A most effective way of planting Crocus is to dot them in groups of three to seven, at regular distances, on the lawn, and let them remain there, or they can be used as edgings.

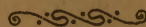


A Bunch of Crocus.

		Per 100.	Doz
Mixed Varieties		40c.	5c.
Blue and Purple.....		40	5
White.....		40	5
Striped.....		40	5
Large Yellow Mammoth.....		60	10
Clothes of Silver.....		50	6
Large Bulbs for pot culture.....		65	
Selected named varieties.....			10



TULIPS.



The habit of growth and the gorgeous and varied colours and markings of the blooms place the Tulip in the front rank of spring blooming flowers, either when grown in pots for Greenhouse or Parlour decoration, or in beds, rows or clumps in the flower garden. Is of easy culture, and bulbs flowered indoors can be dried off during summer and replanted in the open ground in the fall, and those planted in the garden can either be lifted and dried off, to make room for summer blooming plants, or they can be left in the ground and only lifted and replanted every two or three years.

SINGLE EARLY TULIPS.

For Bedding and Forcing.

	Per 100.	Per doz.		Per 100.	Per doz.
Alba Regalis —Dwarf, pure white.....	\$1.00	15c.	Keizer Kroon —Yellow and red and fine either for forcing or outdoor cultivation.....	\$1.25	25c.
Artus —Dwarf, bright scarlet.....	75c.	10	La Reine —(Queen Victoria), medium, white, slightly shaded with rose, fine for forcing, splendid variety.....	1.00	15
Bacchus —Dwarf, purple red.....	1.25	20	Montresor —Large yellow blooms, extra.....	2.25	40
Belle Alliance — Brilliant red, dwarf.....	1.00	15	Pottebakker —Mixed colours, dwarf and early, fine.....	2.00	35
Chrysolora —Pure golden yellow, fine for forcing, dwarf.....	1.50	25	Prince of Austria —Very large, orange-scarlet flower. Is one of the best varieties either for forcing or outdoor culture.....	2.00	35
Canarybird —Clear golden yellow.	1.50	25	Princess Marianne —Very large rosy white blooms.....	1.50	25
Couleur Ponceau —Rosy red and white.....	75c.	10	Rose Grs de Lin —Dwarf, palerose and white, very delicate.....	2.00	35
Duc Van Thol —Dwarf, intense scarlet, fine for forcing.....	1.00	15	Vesuvius —Beautiful shade of red.	2.50	45
Duc Van Thol —Dwarf, pure white	2.00	30	Yellow Prince —Bright yellow, dwarf, extra fine.....	2.25	40
Duc de Berlin —Dwarf, red with yellow edge, good forcer.....	2.00	30	Best Mixed Varieties —.....	75c.	10
Duc d'Orange —Orange, tinged with yellow.....	1.25	25			
Dusart —Medium in height, producing large dark scarlet flowers, very robust in habit and specially suited for city cultivation.....	2.25	40			

This is the time to dress your lawns with Thomas Phosphate Powder. Will thicken up the Sod for winter. See page 21.

TULIPS—CONTINUED.

SINGLE LATE TULIPS.

These have the most brilliant colours and beautiful markings of all Tulips. They continue blooming well into June, and are thus specially valuable to those having country establishments, but which they do not occupy early enough to have the full advantage of the earlier sorts. They are of much stronger growth than the early varieties.

Per 100. Per doz.
Parrot or Dragon Tulips— Best
 mixed.....\$1.00 15c.

Produces large and brilliantly coloured flowers, the edges of the petals being beautifully feathered. Most effective in mixed borders amongst the taller growing plants, but are not adapted for pot culture. We strongly recommend this variety.

Per 100. Per doz.
Parrot, Cramoisie, Brilliant—.....\$2.25 40c.

The latter is a grand improvement, producing blooms of deep crimson with large black star-shaped centres, and unlike other of the Parrot varieties, is suited for pot culture.

SINGLE LATE BORDER TULIPS.

Per 100. Per doz.
**Finest sorts of Bi-blooms and Bizar-
 ards in mixture.....\$1.00 15c.**

Grow tall, and the blooms have the most striking markings. The rose coloured have white grounds, and are beautifully feathered and striped with crimson, pink, and scarlet, and the violet coloured have also white grounds with markings of violet-blue, purple and black. Are only for outdoor culture, and coming in after the early Tulips are over, keep up a blaze of colour till spring bedding plants flower.

Gesneriana—This is the parent stock of the late flowering varieties, which by careful work has been so improved in size and colouring, that it is now a most valuable sort and produces large showy scarlet blooms, with blue centres, which are greatly prized. Per 100, \$1.25. Per doz., 20c.

DARWIN TULIPS.

The Darwin is a late flowering variety of recent introduction, coming in flower with the Late Single or Bi-bloom varieties, and, like them, is of strong growth. They are all self-colours, which vary from light tints of lilac, rose and brown, to deep violet, brilliant red, dark brown and black, and are only used for outdoor cultivation. No flower garden is complete without Single Late and Darwin Tulips. Per 100, \$2.25. Per doz., 40c.

BOTANICAL TULIPS.

Greigi—An Asiatic species with dark green broad leaves with maroon spots, flowers are of great size, orange-scarlet in colour with yellow and black centres. Per 100, \$10.00. Per doz., \$1.25.

Bouton d'Or—This is of the same species, with large handsome globular flowers of pure golden yellow. Per 100, \$3.00. Per doz. 50c.

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 This is the time to dress your lawns with Thomas Phosphate Powder. Will thicken up Sod for winter. See page 21.  
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DOUBLE EARLY TULIPS

For Bedding and Forcing.



Duke of York Tulip.

	Per 100.	Per Doz.
La Citadelle —Dwarf, purplish red with yellow border.....	\$1.25	20c.
Murillo —Dwarf. Superb bluish white, one of the best for forcing.	2.50	45
Paeonie —Dwarf; red.....	1.25	20
Rex Rubrorum —Scarlet flower, tipped with yellow, very large...	2.25	40
Veronica —Dwarf; cherry colour early	1.25	20

	Per 100.	Per Doz.
Agnes —Dwarf, brilliant scarlet.....	\$1.25	20c.
Blanc borde poupre —Dwarf, violet and white...	1.00	15
Duc van Tholl —Dwarf, red and yellow; early	1.00	15
Duke of York —Dwarf, carmine with white edge, good for forcing.....	1.25	20
Gloria Solis —Bronze-crimson, edged with gold.....	1.25	20
Helianthus —Yellow and scarlet, extra	2.00	30
Imperator Rubrorum —Brilliant orange-red, extra fine.....	2.25	40

La Candeur —Dwarf; pure white, fine	1.00	20
Le Blason —Dwarf; white-tinged with rose	2.25	40
Rubra Maxima —Superb deep red..	2.25	40
Salvator Rosa —Beautiful rosy white, changing to rose.....	3.00	50
Rose Blanche —Dwarf, pure white	1.50	25
Tournesol —Dwarf, red and yellow.	2.25	40
“ “ golden yellow...	3.00	50
Best Mixed Varieties		

DOUBLE LATE TULIPS.

These come in succession to the early sorts and maintain the brilliancy of the early Flower Borders.

	Per 100.	Per Doz.		Per 100.	Per Doz.
Buonaparte —Brown shade.....	\$1.00	15c.	Lord Wellington —Large purplish violet blooms. Extra.....	2.00	40
Overwinnaar —White, shaded with blue	1.25	20	Yellow Rose —Pure golden yellow.	1.25	20
Best Mixed Varieties				Per 100. \$1.00	Per Doz. 15c.

Polyanthus and Daffodils.

Of all spring flowers none excel the Daffodil for graceful beauty, and what is also of great importance, mostly all the varieties are equally as well adapted for Conservatory and Parlour decoration as they are for outdoor cultivation, and they succeed perfectly well in almost any soil, and require but little manure. We have imported a greater variety and in greater quantity than ever before, because we are convinced that everyone growing them will be perfectly delighted with their beauty and the profusion and duration of their bloom.

Polyanthus Narcissus

OR SINGLE BUNCH FLOWERED DAFFODILS.

These are best adapted for house culture.

Per 100. Per Doz.

Paper White, Large Flowered.—Is of the easiest growth and a most satisfactory bloomer for house culture. The blooms are large and borne in trusses, we strongly recommend it. Plant 6 bulbs in an 8 inch pot..... \$1.50 25c.

Her Majesty—Pure white with pure yellow cup, very early and a profuse bloomer..... 50c.

Mixed Varieties..... 1.00 15c.



Narcissus Paper White.

Single Daffodils.

No class of flowering bulbs is attracting more attention at present than the varieties of Daffodil (single and double). Their graceful form, sweet perfume and rich colours render them invaluable as cut flowers or for greenhouse or parlour decoration. Their ease of culture, sure blooming qualities and hardiness in standing our severe winters render them most popular as Spring flowers.

Barri Conspicuus—Is a flower of great beauty and refinement, with large broad spreading yellow perianth broad short cup conspicuously edged with bright orange-scarlet. Is certainly the Queen of Daffodils..... \$1.25 15c.

Bicolor Horsfieldi—One of the most stately of all the Daffodils. The perianth is pure white, while the



A bunch of Single Daffodils.

trumpet is of a most delicate yellow, and few orchids are prettier than it is. Early..... \$1.00 15

Biflorus—Pure white with yellow crown, very fragrant and produces two flowers on each stem. Late. Per 100, \$1.00. 20c. 3

Bulbocodium—Yellow, very early and distinct. A good forcer..... \$1.00 10

SINGLE DAFFODILS.—CONTINUED.

	Per doz.	each.		Per doz.	each.
Golden Spur —Perianth large and spreading, trumpet large and of a deep rich yellow. Early, extra....	90c.	10	Poeticus Ornatus —The improved "Poeticus," very early and perfectly hardy. Flowers large and beautifully formed, pure white with crimson cup. Per 100, \$1.50..	30c.	3
Incomparable —Early, fine flowers of rich yellow.....	25c.	3	Princeps Maximus —Large deep yellow trumpet with sulphur perianth. One of the most valuable for forcing. Per 100, \$1.00.....	25c.	3
Leedsii, Duchess of Brabant —Very large pure white flower.....	30c.	3	Scoticus —(The Scotch Garland flower), perianth white, trumpet yellow, fine for forcing.....	30c.	3
Moschatus —(Albicans). Large sulphur trumpet with white perianth. Very early.....	90c.	10	Sir Watkin —Immense flowers; deep sulphur, cup bright yellow, tinged with orange, and beautifully fringed.....	\$1.50	15
Obvallaris —(Tenby Daffodil), a most beautiful variety with perianth and trumpet of full yellow.....	75c.	10	Stella —Yellow cup, with white perianth, good for forcing. Per 100, 75c.....	25c.	3
Pallidus Praecox —(White Pyrenees Daffodil), one of the earliest varieties. Both trumpet and perianth are clear sulphur white. Fine.....	60c.	7	Trumpet Major —Flowers large and of a deep golden yellow, fine for forcing. Per 100, 1.50.....	30c.	3
Poeticus —(The Poet's Narcissus), perfectly hardy, pure white flower with orange cup, edged with crimson. Per 100, 75c.....	25c.	3	Finest Mixed Single Varieties	30c.	3

DOUBLE DAFFODILS.



Von Sion.

- Alba Plena Odorata**—(Gardenia Flowered) exquisitely scented pure white double flowers. Per doz. 30c.; 3 for 10c.
- Incomparable**—Yellow and orange, splendid forcing variety. Per doz. 30c.; 3 for 10c.
- Orange Phoenix**—Beautiful pure white flowers with orange nectary. Per doz. 50c.; 3 for 15c.
- Sulphur Phoenix**—Pale creamy white, delicately perfumed, a chaste and beautiful flower. Per doz. \$1.50; each 15c.
- Von Sion**—"The famous Old Double Daffodil," large golden yellow double flowers, the best forcing variety. Per 100 \$1.75; doz. 30c.; 3 for 10c.
- Finest Mixed Varieties**—Per doz. 35c.

CHINESE SACRED LILY.



"ORIENTAL NARCIS'SUS."

OUR CHINESE LILIES ARE THE GENUINE ARTICLE. CHINESE GROWN.

Bulbs bloom in six or eight weeks after planting, throwing up many flower stalks thickly studded with blooms, white with yellow centre, and very fragrant. Grows in shallow bowls containing water and pebbles, to keep the bulbs down, or in earth, in pots. This is one of the greatest floral curiosities.

A dozen bulbs, planted at intervals, will give a succession of flowers all winter. Price for 1st size bulbs. Per doz. \$1.00; each 10c. For Lily Bowls see page 20.

LILIES.

Harrisii or Burmuda Easter Lily.

Free flowering forcing variety with pure white long trumpet-shaped blooms. 5x7 bulbs 60c. per doz. ; 6c each.

Candidum, or St. Joseph Lily.

Large pure white trumpet-shaped flowers. Suitable for forcing, and being perfectly hardy, does well in the open ground. 75c. per doz., 8c each.

Longiflorum

(The New Japanese Variety).

Flowers resemble the Harrisii in size, shape and colour, but are much more numerous and come earlier. This variety has never been known to have been afflicted by disease—in fact, there is no such thing in Japan as Lily disease. We have an order on the way now, and we anticipate that this variety will become the Easter Lily of the future. It stands cold storage well and so flowers can be obtained at almost any time of the year. Per 100 \$7.50, per doz. \$1.00, each 10c.

Aratum or Golden Japan Lily—\$2.00 per doz. 20c. each.

Speciosum Album—.....\$2.00 per doz. 20c. each.

“ **Rubrum**—.....\$1.50 per doz. 15c. each.

“ **Roseum**—.....\$1.50 per doz. 15c. each.

We also offer to arrive a full line of other Hardy Lilies, and later on will print a descriptive price list of same, which we shall be pleased to send to all giving us their addresses.



Lilium Harrisii.

Freesia Refracta Alba

or African lily of the
Valley.

A bulb of very easy growth indoors, and one of the most beautiful and delicately perfumed little flowers in cultivation. Pure white with a tinge of yellow on lower petals.

Extra large selected bulbs. Per 100 \$1.25, per doz. 15c.



Freesia Refracta Alba.

Miscellaneous Bulbs and Roots.

*These varieties marked * will only be ready for shipment in October or beginning of November.*

Per doz. Each.

Allium Neapolitanum — Produces large trusses of snowy white blossoms on tall slender stems, and is equally valuable for forcing as for growing out of doors, as it is perfectly hardy and flowers profusely, even in the shade..... 20c. 3c.

Allium Azureum — Deep sky-blue with dark line through middle of each division. Hardy..... 20c. 3

Anemone.—Double mixed..... 25c. 3

Chionodoxa Lucillæ.—(Glory of the Snow). One of the most lovely spring bulbous plants ever introduced, producing spikes of azure blue flowers with pure white centres..... 20c. 3

Crown Imperial Lily—(Fritillaria Imperialis). A well known, hardy spring blooming plant, with clusters of pendant bell-shaped flowers, surmounted with tufts of green leaves. Choice mixed colours.....\$1.50 15



Allium.



Bermuda Buttercup.—Oxalis.

Miscellaneous Bulbs and Roots.—CONTINUED.

	Per doz.	Each.		Per doz.	Each.
* Iris —A charming, hardy and beautiful garden plant. The flowers of the Iris are probably the richest coloured of all hardy flowers.			Oxalis .—Superb varieties in mixture. A very pretty bulbous plant, specially adapted for winter flowering in pots, hanging-baskets, vases, etc. Per 100, \$1.00	25c.	3c.
“ Choice mixed varieties.....	50c.	5c.	Ranunculus .—Finest double Persian, mixed colours.....	20	2
“ “ “ “ English varieties.....	50	5	Ranunculus .—Finest French Giant, mixed colours.....	20	2
“ Choice mixed German varieties.....	50	5	Scilla Siberica .—One of the most charming and earliest spring flowering bulbs, producing masses of the most intense blue flowers.....Per 100, \$1.00	20	2
“ Japanese—10 best sorts in mixture.....	1.50	15	Snowdrop .—(Elwes' Giant.) This fine variety is much larger than the ordinary Snowdrop, and is slightly scented.....Per 100, \$1.25	25	3
Ixia —A beautiful half hardy plant, but fine for green house or window culture. Mixture of 25 splendid new sorts. Per 100 75c.	20	3	Snowdrop .—Single.....Per 100, \$1.25	20	3
Jonquill Campernellii —Very large yellow flowers, and deliciously scented. Per 100, \$1.25.....	20	3	Snowdrop .—Double.....Per 100, \$1.75	25	3
Jonquill Double —Deep yellow.....	20	3	Spircea .—Japonica.....	\$1.00	10
* Lily of the Valley —(Convallaria Majalis). This plant is a general favourite, and is one of the most highly prized of our early spring flowers. Extra large pips suitable for forcing. Per 100, \$2.00.	40		“ New Large Flowering .—A new and valuable variety, dwarfer in habit and blooming longer and more profusely than the old sort.....	1.25	15
Ornithogalum Arabicum .—(Star of Bethlehem). A very attractive white, star-shaped little flower, with black centre and aromatic perfume. Quite hardy outdoors, and forces easily.....	35	4	“ Astilboides Floribunda .—A distinct and beautiful new type of Spircea	20	
Oxalis .—(Bermuda Buttercup). A fine plant for winter flowering, very strong grower. The flowers are bright buttercup yellow	50	5	“ Venusta .—Strong growing variety with beautiful crimson flowers.....	20	
			Sparaxis .—Of about the same habit as the Ixia. Fine mixed colours, Per 100.....	75c.	15 2



Fresh Mushroom Spawn

Mushroom cultivation is not so difficult and uncertain as it is generally supposed to be. One of the principal features in its culture is the planting of good fresh Spawn. Mushrooms can be grown successfully under the greenhouse bench, in a cellar or in beds in the open air, prepared in the same manner as a hot bed.

Finest English Milltrack Mushroom Spawn.—Per brick, 15c.; one doz. bricks, \$1.75, freight extra. When ordered by mail, add 5 cents per brick postage.

Special quotations for large quantities.

HARDY HERBACEOUS PLANTS.

No department of Horticulture is more deserving of the increased interest lately given to it, than the old fashioned hardy herbaceous plant border. Besides the many old and worthy favourites, numerous beautiful plants have been introduced in recent years. Their inexpensiveness is a great recommendation, the first cost being all the outlay required, for when once planted and given a fair share of attention, they are sure to increase in size and beauty. With an assortment of Hardy Perennial plants, a most beautiful, interesting and continuous display may be kept up from early spring till late in the autumn. The best season to transplant Hardy Perennials is the latter part of September and during October. They may also be planted successfully in spring as soon as the ground is in good condition, but the former period is preferable to insure good results the first flowering season.

We have in stock many varieties besides those enumerated below, so that intending purchasers can order almost any of the old favourites, and most of the newer sorts, and have their orders executed. Most of these Perennials may be raised from seed, and will flower generally the second year; for varieties see our Seed Catalogue.

We make the following special offers for large orders:—

One dozen plants in varieties, our own selection.....	\$ 1.25
100 plants in 50 varieties, purchasers selection from our list.....	12.50
100 plants in 50 varieties, our own selection from our list.....	10.00

THE FOLLOWING PRICES ARE DELIVERED MONTREAL.

	Price each cts
1 <i>Achillea Ptarmica</i> .—Fl. pl. "The Pearl".....	15
Flowers are double and of the purest white and produced in marvellous quantities. Invaluable for cutting. 2 feet.	
2 <i>Aconitum Napellus</i> .—Monk's Hood.....	20
3 <i>Agrostemma Coronaria</i> .—One foot.....	15
4 <i>Alyssum Saxatile</i> .—"Gold Dust," 1 foot....	15
5 <i>Arabis Albida</i> .—8 inches.....	15
6 " " <i>Variegata</i> .—8 inches.....	20
7 <i>Aquilegia hybrida</i> .—(Columbine) many colours, 3 feet.....	20

In these great variety of colour will be found, from creamy-white to intense blue and rosy-purple. Will succeed almost anywhere, and the graceful beauty of the plant and flowers render the *Aquilegia* extremely popular.

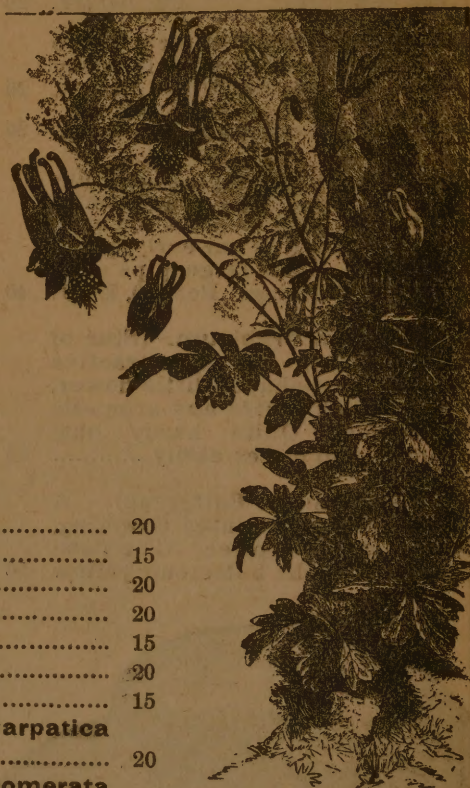
8 <i>Anchusa Italica</i> .—Beautiful blue flowers, 2 feet.....	20
9 <i>Anthemis Tinctoria</i> .—Yellow daisy-like flowers.....	15
10 <i>Anemone Japonica</i>	20
11 " " <i>Alba</i>	20
12 <i>Bellis Perennis</i> .—"English Daisy".....	15
13 <i>Bocconia Japonica</i> .—3 feet.....	20
14 <i>Campanula Carpatica</i> .—"Blue Bells".....	15

15 <i>Campanula Carpatica</i> <i>Alba</i>	20
--	----

16 <i>Campanula Glomerata</i> <i>Dahurica</i>	20
--	----

17 <i>Campanula Persicifolia</i> .—2 feet.....	20
18 " " <i>Alba</i> .—2 feet.....	20
19 " <i>Grandiflora</i> .—4 feet.....	20
20 " <i>Medium</i> .—"Canterbury Bells," in great variety.....	15

The Campanulas are amongst the grandest of summer flowering plants. The Canterbury Bell with its bell-shaped single and double flowers forms a dense mass of beauty, the plants being literally covered with bloom. It is adapted for mixed borders and so are most other varieties of *Campanula*, while the dwarf sorts make pretty edgings.



Aquilegia No. 7.



Single Canterbury Bells. See No. 20.

HARDY HERBACEOUS PLANTS—CONTINUED.

Price each cts.

- 21 **Clematis**—Many beautiful varieties....\$1 00
 22 **Convallaria majalis**—"Lily of the Valley," clumps..... 15
 23 **Carnations**—Hardy border sorts, extra fine seedlings..... 15
 24 **Carnations Picotee**—Border sorts, extra fine seedlings..... 25
 25 **Chrysanthemum maximum filiforme**—1 foot..... 20
 26 **Coreopsis lanceolata**..... 15
 27 " **Grandiflora**—2½ feet..... 15

A valuable border plant of easy culture, producing during summer an abundance of rich yellow flowers on long stems, and so is most useful for cutting.

- 28 **Delphinium Formosum**—Beautiful blue, 4 feet..... 15
 29 **Delphinium hybridum**—Beautiful blue and white, 4 feet..... 15

The predominating colours are different shades of blue, in some cases approaching purple and blue and white, and the spikes of bloom are from one to two feet in length. Is of handsome stately habit, and few plants produce such a bright effect through the summer and fall, either in the mixed borders or in clumps.

- 30 **Dianthus barbatus**—"Sweet William" 15
 31 **Dicentra Spectabilis**—"Bleeding Heart," clumps..... 20
 32 **Digitalis, purpurea and alba**—3 feet.... 15
 33 **Doronicum plantagineum**..... 20
 34 **Erysimum pulchellum**—6 inches..... 15
 35 **Eupatorium Fraseri**—3 feet..... 25
 36 **Felecia Abyssinica**—1 foot..... 20
 37 **Ferula Gigantia**—6 feet..... 25

A gigantic Fennel with bright glistening foliage, changing to brilliant orange.

- 38 **Fraxinella, of sorts**—1½ feet..... 20
 39 **Funkia cordata**..... 20
 40 " **grandiflora**..... 20
 41 " **undulata variegata**—A beautiful plant..... 40
 42 **Gaillardia grandiflora, hybrids**—2½ feet 15

A free blooming plant that will thrive in almost any soil. The centres of beautiful large flat flowers are dark shades of brown and vermillion, edged with broad golden bands.

- 43 **Geum Coccineum**—1½ feet..... 20



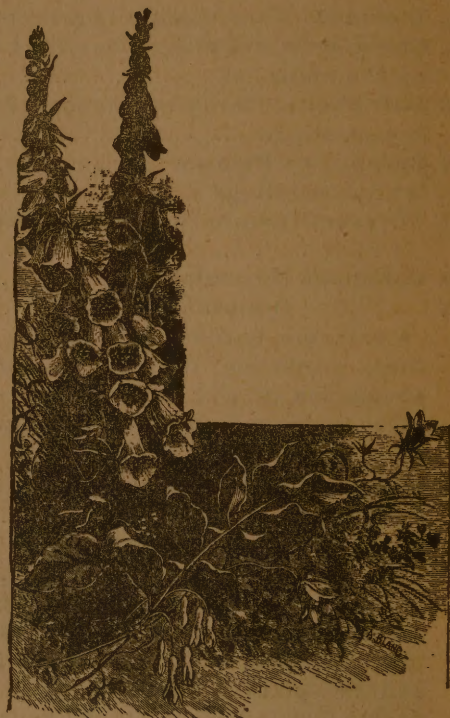
Cup and Saucer, Canterbury Bells. See No. 20.



Delphinium. No. 28, 29.

HARDY HERBACEOUS PLANTS.—CONTINUED.

	Price each	cts.
44 <i>Gypsophila paniculata</i> —3 feet.....	15	
45 " <i>Stephenii</i> —2 feet.....	20	
46 <i>Helianthus multiflorus</i>	15	
47 " —"Soleil d'Or"—.....	15	
48 <i>Helleborus niger</i> —(Christmas Rose).....	40	
49 <i>Hepatica</i> —Mixed varieties. A charming early spring flowering plant.....	15	
50 <i>Hemerocallis flava</i> —.....	20	
51 " <i>fulva</i> —.....	15	
52 <i>Helenium Augustifolium</i> —.....	15	
53 <i>Heuchera sanguinea</i> —1½ feet.....	20	
54 " <i>alba</i> —1½ feet.....	25	
The foliage is recumbent from which rise num- erous slender spikes covered with graceful blooms of a bright coral scarlet in the case of <i>H. Sanguinea</i> , while the <i>H. Alba</i> produces most beautiful pure white flowers.		
55 <i>Hesperis Matronalis</i> —Sweet Rocket.....	15	
56 <i>Hieraceum Aurantiacum</i> —8in.....	15	
57 <i>Hollyhock</i> —Extra fine seedlings.....	20	
58 <i>Iris Kämpferii</i> —Japanese Iris, the most beauti- ful of all the Iris.....	35	
59 " All the leading varieties.....	25	
60 <i>Lathyrus Latifolius</i> —Perennial Pea.....	25	
A fine collection of many shades of color.		
61 <i>Lobelia Cardinalis</i> —.....	20	
62 <i>Lupins</i> —Perennial varieties, 2½ feet.....	15	
63 <i>Lychnis Flos</i> — <i>Culi plenissima semperflorens</i> , double everblooming <i>Lychnis</i> , 1 foot,.....	20	
Rose-coloured flowers, beautifully fringed, which bloom all summer through. Is a double variety of the old "Ragged Robin."		
64 <i>Lychnis Chalcedonica</i> —Red and white, 3 feet..	20	
65 " <i>Haageana</i> —1 foot.....	20	
<i>Haageana</i> produces very striking blooms nearly two inches across, varying in shade from brilliant scarlet to purest white.		
66 <i>Liatris spicata</i> —Beautifully reddish purple spikes, 2 foot.....	15	
67 <i>Linaria Hendersoni</i> —1½ feet.....	15	
68 <i>Monarda didyma</i> —(Horse mint).....	15	
69 <i>Myosotis</i> —Of sorts "Forget-me-not".....	15	
70 <i>Malva moschata</i> —(Mallow).....	15	
71 " " <i>alba</i>	15	
72 <i>Oenothera Fraseri</i> —2 feet.....	20	
73 <i>Orobis Vernus</i> —Butter Vetch, 1 foot.....	20	
74 <i>Pansy</i> —A fine collection.....	15	
75 <i>Poppy Iceland</i> —different colors.....	15	
76 " <i>Oriental</i> —.....	40	



Digitalis No. 32.



Perennial Pea. No. 60.

HARDY HERBACEOUS PLANTS—CONTINUED.

- 77 **Phlox decussata**—late flowering, 25
choice sorts $2\frac{1}{2}$ feet.....each 20

Amongst hardy border plants none excel the Perennial Phlox. The large trusses of bright colours, ranging from pure white to the richest crimson and purple, and from rose and salmon to bright coral red, give these Phloxes a first place among hardy plants. Will succeed in any soil that is fairly rich and are much benefited by an occasional soaking of water when flowering in dry weather.

- 78 **Primula vulgaris**—(English Primrose),
many sorts..... 20

- 79 **Primula Japonica**—Beautiful hardy
variety..... 20

- 80 **Primula Auricula**—Many fine varieties 20

- 81 “ **Polyanthus**—Many fine varieties..... 20

- 82 **Pyrethrum Uliginosum**..... 20

- 83 “ of sorts—Beautiful single
flowers..... 20

- 84 **Rudbeckia**—(Golden Glow)..... 25

Ten feet. Large golden yellow flowers. A very handsome plant for wide borders or isolated positions.

- 85 **Salvia Argentea**—2 feet..... 20

- 86 **Scabiosa Caucasica**—3 feet..... 25

One of the handsomest of hardy perennials, lilac-blue flowers.

- 87 **Statice Lemonium**—3 feet..... 20

- 88 **Sedum aizoon**—1 foot, yellow..... 20

- 89 **Spirea Aruncus**..... 20

- 90 “ **Astilboides**..... 20

- 91 “ **filipendula**..... 20

- 92 “ **Japonica**..... 20

- 93 “ “ **compacta**..... 20

- 94 “ “ “ **variegata**.. 40

- 95 “ **Palmata**—Beautiful rose flowers 20

- 96 **Tradescantia Virginica**— $1\frac{1}{2}$ feet..... 15

- 97 **Valeriana officinalis**..... 15

- 98 **Veronica spicata**—1 foot..... 15

- 99 “ “ **alba**—1 foot..... 15

- 100 **Vinca Minor**—(Periwinkle)..... 15

- 101 **Wahlenberzia duplex**—8 inches..... 15



Lychnis Haagena Hybrida. No. 65.



Perennial Phlox. No. 77

Hyacinth Glasses.



Tye Pattern.

Tye Pattern—In four colours, green, violet, blue and wine colour. Per doz., \$1.25; each, 15c.

Old Pattern—In four colours, green, violet, blue and wine colour. Per doz., \$1.00; each, 10c.

Eclipse Pattern—Very ornamental and transparent, five colours, blue, green, crystal, opal and yellow. 35c. each.

Vernal Hyacinth Vase—Made of Terra Cotta.

Immerse the vase for a day in water, then sprinkle it with timothy seed when it will be covered with a bright green growth in a few days. Each, 35c.



Old Pattern.

CHINESE BOWLS.



"Tokio Pattern"—For cultivating Chinese Sacred Lilies, or can be used as salad bowls. 9 inches, \$1.25; 8 inches, \$1.00; 7 inches, 75c.; 6 inches, 50c.

FLOWER POTS.—Standard Pattern.

2	inch	.....	Per 100.....\$	.50	Per doz	\$	08
2½	"	.....	"	.70	"	.....	10
3	"	.....	"	.80	"	.....	15
4	"	.....	"	1.20	"	.....	20
5	"	.....	"	2.00	"	.....	25
6	"	.....	"	3.50	"	.....	50
7	"	.....	"	6.00	"	.....	80
8	"	.....	"	11.00	"	.....	1.50
9	"	.....	"	16.00	"	.....	2.00

Saucers charged extra.

COMMON FLOWER POTS, in different sizes.
Prices on application.

To Florists and those buying in large quantities, we shall be pleased to give special quotations.



Vernal Vase.



FERN POTS, FANCY POTS, JARDINIERS and SAUCERS. Prices on application.

HALF POTS.

Fine for cultivation of Bulbs. 6 inches, 50c.; 7 inches, 70c.; 8 inches, \$1.00; 10 inches, \$1.50 per doz.

This is the time to dress your lawns with Thomas Phosphate Powder. Will thicken up the Sod for winter. See page 21.

...FERTILIZERS...

ALBERTS' THOMAS PHOSPHATE POWDER—Has been proved by carefully conducted and numerous experiments, in comparison with other makes of artificial manures, taking its price into account, to be by far the most profitable in its application to **Roots, Corn, Grain, Hay or Pasture**. Its lasting effect is one of its greatest advantages over other manures, and it is claimed by many who have used it extensively, even over barnyard manures, and its merits for top dressing **Lawns, Hay or Pasture** lands are remarkable. We ask all our customers to give it a trial, and if they do, are convinced they will find great profit in the using of it. As a top dressing for **Fruit Trees** or small fruits it has produced most satisfactory results. We have not space here to give full particulars of the many advantages of the **Alberts' Thomas Phosphate Powder**, but on application we shall mail free, an exhaustive pamphlet in reference to it. \$25.00 per ton.

Sulphate of Ammonia—Splendid plant Fertilizer. lb. 10c.

Nitrate of Soda—5c. per lb.; \$3.50 per 100 lbs.

Sulphate of Potash—6c. per lb.; \$4.00 per 100 lbs.

Muriate of Potash—5c. per lb.; \$3.50 per 100 lbs.

Land Plaster—55c. per bag.

BONE FLOUR—The pure flower of ground green bones. Is a valuable fertilizer and stimulant for **Roses, Chrysanthemums**, and all pot plants. 100 lbs. \$3.50; 10 lbs. 50c.; 5 lbs. 30c.

GROUND BONES—100 lbs. \$3.25; 10 lbs. 50c.; 5 lbs. 30c.

CRUSHED “ —100 lbs. \$3.25; 10 lbs. 50c.; 5 lbs. 30c.

ALBERTS' CONCENTRATED HORTICULTURAL MANURE—It is the only Fertilizer guaranteed Free from Sulphuric Acid, Chlorine Gypsum or other deleterious Acids, and is completely soluble in water. Is without doubt the best artificial manure on the market for Florists and Gardeners, and we have certificates from all the most prominent Horticulturists in its favour. Per 100 lbs. \$10.00; 1 lb. tins 20c. 2 lb. tins 35c. 4 lb. tins 50c.

Write for descriptive pamphlet, which gives full particulars regarding Albert's Manures.

STANDARD LAWN DRESSING—A perfect Fertilizer for Lawns, giving the grass a dark green luxuriant appearance, without the risk of sowing the seeds of noxious weeds. 100 lbs. \$3.50; 25 lbs. \$1.00; 5 lbs. 25c.

SHEEP MANURE—5c. per lb.

INSECTICIDES.

NIKOTEEN—This new Insecticide is a sure cure for almost every form of insect affecting plants. Is used successfully both for fumigating and as a spray, but fumigation is preferred for Conservatories and Green-houses. It is cheap and effective. Price, per bottle \$2.00. Pan and Iron weight used in vapourizing. Per set \$1.25.

COPPER SULPHATE—lb. 10c.; 100 lbs. \$7.

Solution Of Copper—Ammoniated, for Mildew, Blight and Rot (1 quart to 25 galls. of water). Quart 25c.

Copper Compound—Dry powder, for Rot and Blight, (5 lbs. to 10 gallons of water) lb. 5c.

Gishurst's Compound—Destroys Red Spider, Scale, Mealy Bug, Green Fly, etc. Box 50c. large box, \$1.25.

FIR TREE OIL—One of the most efficient insecticides. $\frac{1}{2}$ pint 50c.; 1 pint 75c.; quart \$1.50.

Gardener's Insecticides—An old standard English insecticide. Bottles 50c. and \$1.25.

Hellebore Powder—Best remedy for caterpillars. lb. 25c.

Slug Shot—A safe and efficient insecticide. 3 lbs. 25c.; 5 lbs. 35c.; 10 lbs. 60c.

Whale Oil Soap—Dissolve $\frac{1}{4}$ lb. to a gallon of water, apply with syringe or spraying pump. lb. 30c.

Flower of Sulphur—Fine remedy for mildew and for destroying insect pests. lb. 8c.; 10 lb. 60c.

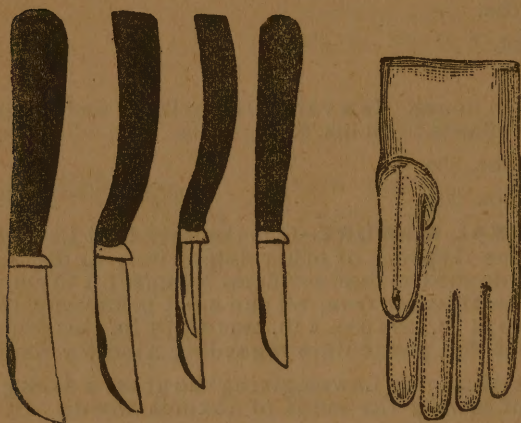
LETHORION CONES—For the certain destruction of greenhouse pests, without any offensive smell or injury to the most delicate bloom. 50c. each; \$4.50 per doz., which we offer to arrive.

...SUNDRIES...

Window Brackets.



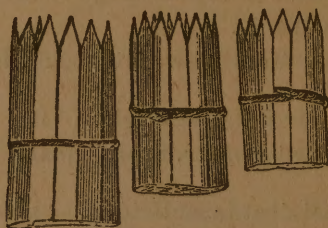
1 Pot Bracket.....	.20
1 " " 7½ in. arm.....	.25
1 " " 5½ in. shelf.....	.35
2 " " 12 in. arm.....	.55
Bamboo Stakes per 100.....	1.50
Pruning Knives,.....90c., \$1.00	1.25
Budding "	80c. to 1.25
Pruning Gloves, pair, 50c. 60c. 75c. 85c.	
Putty and Hacking Knives.....	.30
Labels per 100, 3½ in.....	.15
" " 4½ "	.20
" " 5 "	.25
" " 8 "	.30
" " 8 "	.50
Putty Bulb.....	1.25
Peat, Imported, per sack.....	2.75
" Orchid, per sack.....	3.50
Moss (Sphagnum) per bbl.....	2.00
Secateurs, Hercules 7 in. . .	.80
" " 8½ "	1.25
" Wheelspring 6 "	1.00
" " 7 "	1.25
" " 8 "	1.50
" " 9 "	2.00



Secateur Wheelspring.



Putty Knives.



Woodeen Labels.

Standard Tree Pruners.

Handle 12 feet long.....	\$3.00
" 8 " "	2.50

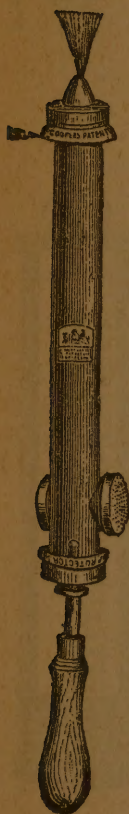
Also a full stock of

Garden Tools, Spades, Shears, Lawn Rakes, &c.



Putty Bulb.

Sundries.—CONTINUED.



Bellows, Joosten's—Highest award at World's Fair. No better tool for Florists. Perfect magazine and agitator...\$3 50

Bellows, Malbec—A first class tool for the distribution of Slug Shot, Fostite or Sulphur, with magazine and agitator... 3 00

Bellows, French Sulphurator—Highly recommended..... 1 00

Climax Fumigator—A good substantial contrivance..... 2 50

Appelby's Fumigator—Good for small house..... 1 50

Syringes—Heavy Brass, 14 inch..... 2 00

“ “ “ 16 inch..... 3 00

“ “ “ 18 inch..... 3 50

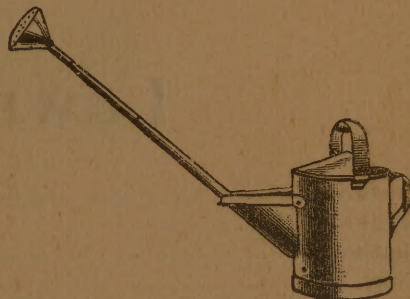
“ “ “ 20 inch..... 4 00

“ Light Brass, 18 x 1½ inch..... 1 50

Rubber Sprays—.....75c., \$1.00, \$1.10 and 1 25

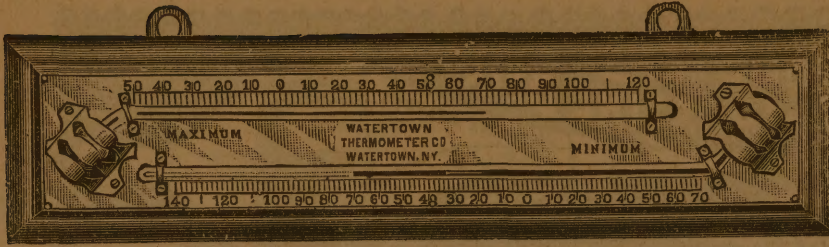
“ “ Angle neck..... 1 25

Watering Pots—.....60c. to 3 50



This is the time to dress your lawns with Thomas Phosphate Powder. Will thicken up the Sod for winter. See page 21.

Sundries.—CONTINUED.



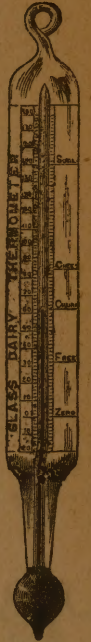
Maximum and Minimum Registering.

Thermometers.

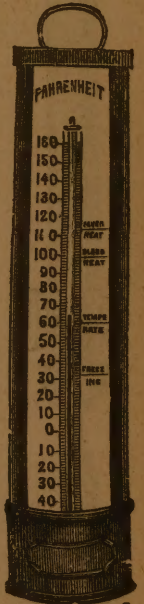
8 inch Japanned Tin Thermometer.....	Each.	0 20
10 " " " "		25
7 " Flange Dairy Thermometer.....		25
Floating Dairy Thermometer.....		25
12 inch Standard Thermometer.—A fine instrument	\$1	25
8 " Copper Thermometer.—Well suited for greenhouse work.....	1	00
10 " Standard Cabinet Thermometer.—Polished oak.....	1	00
Hot-Bed Thermometer.—A most useful instrument to gauge bottom heat	1	00
Standard Hot-Bed Thermometer.—A substantial instrument on hard-wood and solid brass.....	2	25
Minimum Registering Thermometer.—An essential instrument in every greenhouse.....		60
Maximum and Minimum Registering Thermometer.—An essential, substantial and ornamental instrument. See cut.....	3	00
Tin Foil.—For Florists' use.....	Per lb.	20
Wire.— " " " "		20 and 25

Lawn Rakes.

Canton.....	Each.	0 75
Favourite		\$1 00
Hustler.....		1 00
Gibbs.....		1 00
Nye's Automatic		0 75



Floating Dairy Thermometer.

Thermometer
25c. each.

This is the time to dress your lawns with Thomas Phosphate Powder. Will thicken up the Sod for Winter. See page 21.

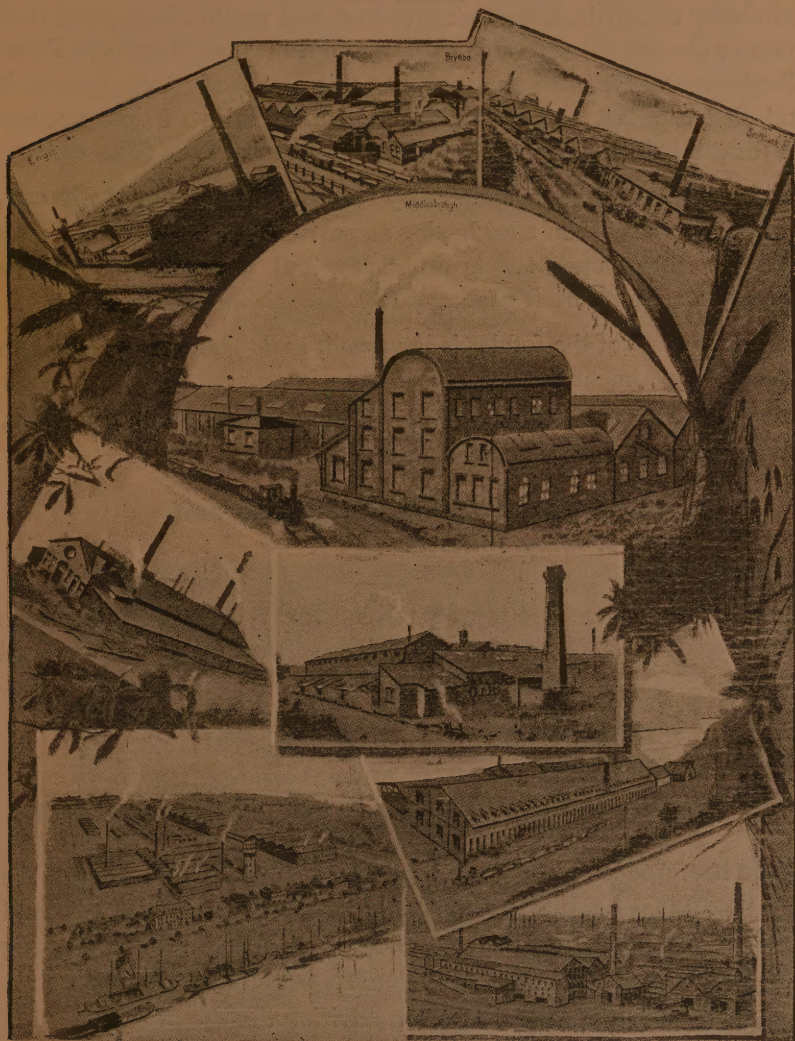
COMMON SENSE MANURING

The Fall Top-Dressing of Meadows and Proper Manuring of Grains

WITH

ALBERTS' THOMAS-PHOSPHATE POWDER

(REGISTERED)



WALLACE & FRASER

CANADA LIFE BUILDING
TORONTO

SOLD BY Wm. Ewing & Co.

AND ST. JOHN, N.B.

Montreal. P. Q.

The Fall Top=Dressing of Meadow Lands and Pastures

This circular is intended particularly to draw the attention of farmers to the desirability of top-dressing their meadow and pasture lands, and their new grass or clover seedings, with **Alberts' Thomas-Phosphate Powder** (Registered). To such an extent has this practice become general in England, that late last summer and autumn the sales of this excellent manure for the British Isles alone amounted to **over 1,000 tons daily**.

It can be applied to the meadows **any time after the grass is cut**, but the best time is as soon after haying as possible, as in this way it assists the meadow to throw up a strong aftermath, and wonderfully **develops the clover** so as to insure it passing safely through the winter.

The feeding value of the fodder is increased, as is shown by the following authentic experiment:—

Part of a meadow **not** manured with **Thomas-Phosphate Powder**, produced about 6,000 lbs. of Hay, containing

**450 lbs. flesh-forming constituent and
150 lbs. fatty matter.**

The other part of the same meadow, being equal in size, in the same season, manured with **Alberts' Thomas-Phosphate Powder**, produced about 12,000 lbs. of Hay, containing

**1610 lbs. flesh-forming constituent,
300 lbs. fatty matter and
twice as much phosphoric acid as the other part.**

Thus the hay produced by the part of the meadow manured with the **Alberts' Thomas-Phosphate Powder** was over twice as valuable, pound for pound as the other, and had double the bone and strength-giving quality. Acre for acre, the value of the crop was more than trebled.

This alone is sufficient to warrant us in advising the use of

ALBERTS' THOMAS-PHOSPHATE POWDER.

From 400 to 600 lbs. per acre is recommended, and the **after effects of this for about four years** are very marked.

OATS ON A CLAY SOIL



No Phosphate.

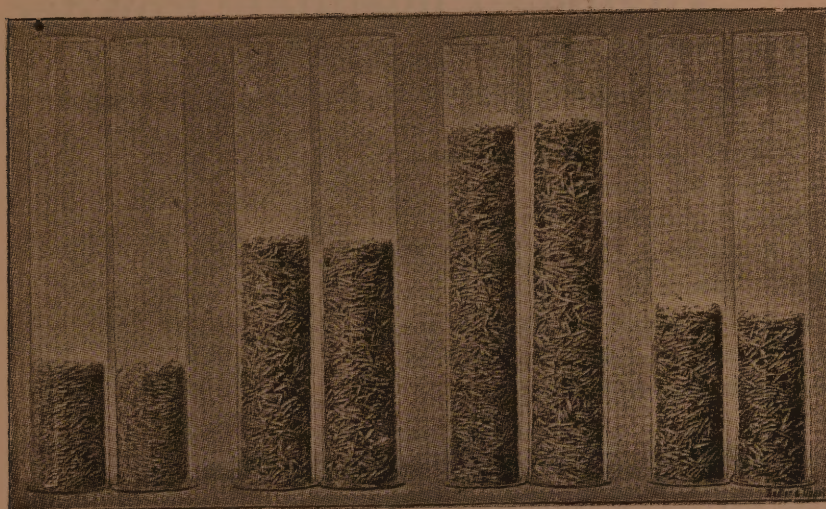
Manure :
Bohemian Thomas-
Phosphate.

Manure :
Alberts' Thomas-Phos-
phate Powder.

Manure :
Bone Meal.

Equal quantities Phosphoric Acid to all these experiments.

THE YIELD OF GRAIN



No Phosphate.
Crop : 4 oz.

Manure :
Bohemian Thomas-
Phosphate.
Crop : 8.2 oz. Oats.
Increase : 4.2 oz.

Manure :
Alberts' Thomas-Phos-
phate Powder.
Crop : 12 oz. Oats.
Increase : 8 oz.

Manure :
Fine Bone Meal.
Crop : 5.4 oz. Oats.
Increase : 1.4 oz.

three acres, and then would only have grown their heads and tails (and those slowly). I saw the pastured fields stocked with cattle up to their knees in fine grass and clover, and evidently laying on beef rapidly, and the meadows a mass of clover two feet high. I looked over the fence of these fields and saw the same old stunted grass, which was the same as on your farms before you took them in hand. But what to me is the greatest marvel is the smallness of outlay in proportion to the results.

The use of Alberts' Thomas-Phosphate Powder is no new thing to me, as you know I used it myself since six years ago with good results, and have seen excellent results from its use in many places, but had never before seen its effects on land of such seemingly hopeless character.

I am convinced that there is a bright future even for these poor soils, and if owners or tenants will treat them liberally with Alberts' Thomas-Phosphate Powder, they practically have the ball at their feet.

I am much interested in the results you were good enough to show me, of your experiments in trying to arrive at the proper amount of nitrogenous manure necessary to reproduce correct proportion of grasses amongst the luxuriant **clovers which the Alberts' Thomas-Phosphate Powder has called into existence.**

I congratulate and compliment you most heartily on what you have already effected and demolished, and I consider you have conferred a great public benefit to agriculture generally by having afforded such convincing proofs of what can be done by the liberal use of **Alberts' Thomas-Phosphate Powder.**

I am, yours truly,

Norton Grove, July 12th, 1894.

(Signed) DIGBY CAYLEY.

Why we have to use Thomas-Phosphate Powder

In growing **crops of grain**, and ripened fruits and hay, we rapidly use up the "bone earth," or phosphate of lime, of the soil, the grains particularly being heavy users of it. As there is not much of it left in the straw, we do not get much return from it, though the straw returns most of the other elements of the crop. In feeding the fodders and grains to cattle, they utilize the phosphate of lime for the building and maintenance of bone, so that their manure, while rich in the other elements, is deficient in phosphate. Hence, by building the bone of the animals and people on the farm, and the animals and people in the cities, the farmer weakens his land in "bone earth" until he finds there is something wanting which his manures are not supplying.

Alberts' Thomas-Phosphate Powder

is the best and cheapest way of supplying that want. It is the only practical soil manure to-day known to science and commerce for this purpose.

It is not many years since No. 1 Hard was the standard for American Northwestern wheat. Later, the standard was lowered to No. 1. Northern,

as No. 1 Hard was getting scarce. To-day No. 1 Hard is a thing of the past, and from last year's crop as it came through Duluth or Minneapolis, there was scarcely 15% No. 1 Northern. This may be temporarily to a slight extent remedied by seed selection, as like will generally produce like, but no permanent improvement can take place until the farmers return the bone earth to the soil, which can be done in the best and most economical manner by the liberal use of

Alberts' Thomas-Phosphate Powder (Registered).

The history of American wheat lands is surely being repeated in Canada. The failure to succeed with spring wheat is one evidence.

Application to Fall Wheat

In putting in fall wheat, the phosphate should be lightly plowed or harrowed in, or, what is better still, drilled in with the seed. About the same amount as for meadows is recommended, but splendid results are obtained by 250 lbs. per acre drilled in. Its effect is improved straw, which will withstand drought and will stand up much better; harder and more perfect wheat, and larger crop with correspondingly greater proportion of good grain; earlier and more perfect ripening, as the other plant food in the soil is more perfectly assimilated, owing to the presence of so large a quantity of available phosphoric acid. There is less liability to disease, as fungoid diseases are prevented by **Alberts' Thomas-Phosphate Powder**.

For Orchards

There is ample proof, and the very highest authority, for stating that it is the best soil fertilizer known for orchards and vineyards. It not only strengthens the trees and the fruit, but renders the orchard less liable to fungoid diseases. It should be well worked into the soil, and as a continuing benefit can be obtained for several years, it is a good plan to work it in with the last summer or fall cultivation. In setting out trees it should be mixed with the soil for the full depth and area of the hole dug.

Pamphlets on Manuring Free.

OATS ON A CLAY SOIL



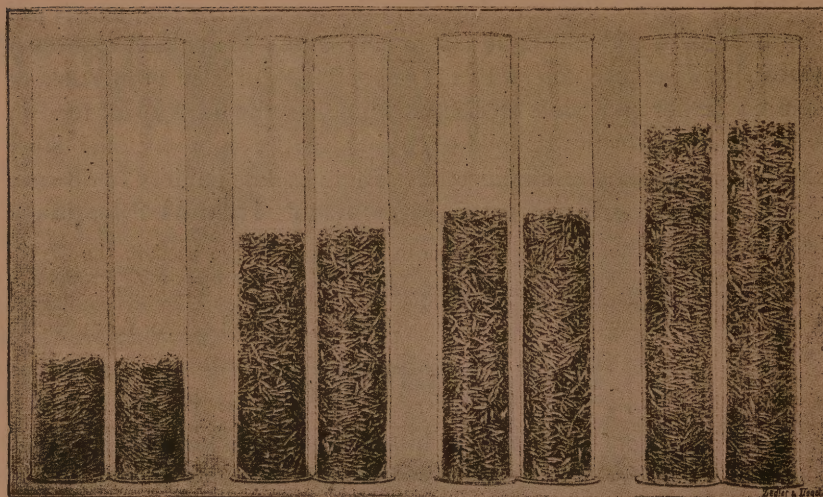
No Phosphate.

Manure :
Superphosphates.

Manure :
Alberts' Thomas-Phos-
phate Powder.

Manure :
Increased amount
Alberts' Thomas-Phos-
phate Powder.

YIELD OF GRAIN



No Phosphate.
Crop : 4 oz. Oats.

Manure :
Superphosphate.
Crop : 8.3 oz. Oats.
Increase : 4.4 oz.

Manure :
Alberts' Thomas-Phos-
phate Powder.
Crop : 8¾ oz. Oats.
Increase : 4¾ oz.

Manure :
Increased amount
Alberts' Thomas-Phos-
phate Powder.
Crop : 11.9 oz. Oats.
Increase : 7.9 oz.

The same experiments on a Sand Soil, rich in Humus (vegetable matter), gave double the crop of grain when the quantity of Alberts' Thomas-Phosphate Powder was increased.

Prof. Paul Wagner, the world-renowned experimenter, says: "In this great '**afterfication**' of **Thomas-Phosphate Powder** manuring on the following crops, in enriching the soil with active phosphoric acid contributed by the **Thomas-Phosphate Powder**, lies the advantage, which cannot be underrated, which this form of manuring offers". . . . "As regards manuring meadows in particular, I would direct your attention to the fact that manuring with **Thomas-Phosphate Powder** has often led to **quite astonishing increases** of the crop, so that no farmer should neglect to try the effect of such manure on his meadows."

In another part the same undoubted authority, says: "A starved meadow which only supports a scanty crop of grass, etc., can be transformed into a productive meadow thickly covered with clover by application of **Thomas-Phosphate Powder**. When I pointed out a number of years ago that a **grass meadow could be changed into a clover meadow by manuring with phosphoric acid**, I was hardly credited; but now the fact is recognized, and most favorable reports are received from practical agriculturists as to the result of manuring meadow-lands with **Thomas-Phosphate Powder**. A failure to produce this result denotes a want of potash, of which a few soils are sometimes also deficient."

Again, this same authority says: "**You may cultivate clover, peas and vetches, but these plants will not have the power of making use of the rich supply of nitrogen in the air, which is to be had free, if they are allowed to starve for want of phosphoric acid.**"

After five seasons' practical application with this sp'endid manure in Canada, we recommend it to you with renewed confidence, as it already has by far the largest sale of any manure in Canada.

The total sales of **Thomas-Phosphate Powder** produced in England and Germany in 1897 was 1,920,000 tons, or about equal to the total sales of all kinds of manure in the United States as reported. This speaks for itself, as it is only fourteen years since it was first introduced in Europe, when the sales were only fifty tons in a year.

We beg to submit the following testimonial, to which much importance attaches, as it is from a gentleman of undoubted standing and judgment:—

GENTLEMEN :—I have great pleasure in stating the impressions made on my mind by what I saw with my own eyes, on Monday last, of the results of the liberal application of Alberts' Thomas-Phosphate Powder. I can only say, that had I not seen for myself, and had any person described to me accurately in words the result that I actually did see, I should have looked on his statement as of that of an enthusiast, or of someone carried away by his subject, and I should certainly have, in my own mind, considerably doubted his statement.

I have known this land for many years, and I must say that I received a considerable shock when I saw the marvellous results of your treatment of it with Alberts' Thomas-Phosphate Powder. I saw fields that a few years ago would not have kept a beast on

EXPERIMENTS WITH BARLEY

THE CROP



No Phosphate.

Manure :
Superphosphate.

Manure :
Alberts' Thomas-Phosphate
Powder.

THE YIELD OF GRAIN



No Phosphate.
Crop : 6.4 oz. Barley.

Manure :
Superphosphate.
Crop : 13.5 oz. Barley.
Increase : 7.1 oz.

Manure :
Alberts' Thomas-Phosphate
Powder.
Crop : 20.3 oz. Barley.
Increase : 13.9 oz.

Do You Raise Stock ?

MONEY SAVED IS MONEY GAINED

(If you are not interested in this circular, please hand it to some one who is.)



**EWING'S
IMPROVED
CALF MEAL**

Is especially adapted for

The rearing of CALVES, LAMBS, FOALS and PIGS.

This meal is composed of ingredients that are so scientifically balanced as to be a perfect substitute for milk, supplying the solids that are to be found in NEW MILK, and its perfect preparation renders it highly digestible even on the delicate stomachs of very young calves. In its chemical properties it is AN EXACT COUNTERPART OF MILK, and though highly concentrated, is yet easily digested and is rich in oleaginous or fatty matter—in nitrogenous or flesh-forming substances, and also in sugar.

It is ABSOLUTELY NECESSARY, if we are to increase the number as well as improve the quality of our cattle, that calves should be properly nourished and cared for.

It is also a fact that since the DAIRY SYSTEM has assumed the immense proportions that it has in Canada, that the REARING OF CALVES has not generally received the attention it used to receive or that it deserves, and CALVES ARE BEING RAISED WHOLLY ON SKIM MILK AND EVEN ON WHEY, with the result that in some sections, really GOOD COWS CAN HARDLY BE BOUGHT, when formerly they were quite plentiful. This state of affairs has arisen, no doubt, from the milk being taken by the factories at a good price; and besides this, in the neighbourhood of cities, milk is of too high a value to admit of raising calves at a profit.

THIS CAN ALL BE CHANGED by using a properly constituted CALF MEAL, which, in comparison with whole milk, will REDUCE THE COST OF RAISING CALVES to a point at which it will be PROFITABLE TO THE FARMER, and this is what we claim EWING'S CALF MEAL will do.

The value of a milch cow depends more than anything else on HOW SHE HAD BEEN FED AND CARED FOR WHEN A CALF, and so it is plain that GREAT BENEFIT WILL RESULT TO THE COUNTRY by the extended use of a food that will rear calves at a much less cost than on milk, and enable farmers to dispose of the milk in more profitable channels.

In Europe the system is well understood and very generally practised. In an article on CALF REARING, written some time ago, the Editor of the *Farming World* says :—

"We unhesitatingly say that, with substantial advantage to themselves and the general public, farmers might draw upon them (Calf Meals) much more largely than they have done

heretofore. Undoubtedly, the use of these prepared foods is on the increase ; and we think that, by a judicious use of them and other simple natural foods, calf rearing might be increased to a very great extent, both on dairy and mixed husbandry farms.

"We are convinced, however, that dairy farmers, as well as other farmers in all parts suited for breeding, would find in calf rearing returns which would amply repay careful treatment and judicious and liberal feeding: The dairy farmer may dislike the calf because he has found it a greedy and bad paying customer for its mother's milk. But if he has done so, he has had himself to blame. A good calf will well repay a moderate allowance of its mother's milk for a short time, and we would emphasise this point that it is only for a very short time at the outset that there is any necessity to give milk—at any rate, new milk—to calves."

DIRECTIONS FOR USE.

$\frac{3}{4}$ LB. OF MEAL EQUALS ONE PINT.

No. 1.—Take A PINT of **CALF MEAL** and mix thoroughly with a pint of cold water, being careful that it is entirely free from lumps—and on this paste pour a HALF GALLON of boiling water, and stir it well. When going to feed, add three pints either cold or hot water, as the case may be, so that the gruel WILL BE MILK WARM and it must be thoroughly stirred.

No. 2.—Put ONE PINT of **CALF MEAL** in a cullender, and sprinkle it carefully into FOUR QUARTS of boiling water, and by constant stirring keep it free from lumps. Allow it to stand till cool, then add to the gruel an equal quantity of skim milk, or half water and half whole milk, being careful that the mixture when fed is just milk warm.

Feeding. Let the calf have whole milk for the first week, then add a very small quantity of **GRUEL**, INCREASING QUANTITY UNTIL FOURTEEN DAYS OLD, then half skim milk and HALF GRUEL can be given.

Those not having skim milk can reduce the whole milk to the consistency of skim milk, by adding water. Continue this diet until three weeks old, when they can be given one-quarter milk and THREE QUARTERS GRUEL, or at a month old GRUEL ALONE. Those having skim milk or whey, that they have no other use for, should use it instead of water.

DELICATE CALVES, or those that don't thrive well, should be given whole milk for three weeks or until they are in good health. Many feeders give their calves no milk at all after the calves are fourteen days old.

IT IS IMPORTANT THAT THE FOOD SHOULD BE GIVEN JUST AT **NEW MILK WARMTH**, AND IT MUST NEVER BE BURNT OR SOUR, OR ANY UTENSIL USED THAT IS NOT PERFECTLY CLEAN AND SWEET, AND IF POSSIBLE THE GRUEL SHOULD BE NEWLY MADE AT EVERY FEED, ESPECIALLY IN SUMMER.

General Hints. 6 quarts of food per day is enough for calves from a week to a month old, and 7 quarts from a month to 8 weeks old. After that age, about 8 quarts a day is sufficient for healthy growth. Watch closely that there is no "scouring." Rather than give extra large feeds of milk or gruel, we recommend a little hay, meal and pulped roots to be given at as early an age as possible, care being taken that not too much of these foods be given at one time, and a frequent change made from one to another. As a general rule, the quantity of gruel should be the same as is usually given of whole milk.

Price per lb. 6 cents ; in 100 lb. lots and upwards, \$5.00 per 100 lbs.

Put up in 25 lb., 50 lb. and 100 lb. Sacks.

SACKS FREE.

MANUFACTURED BY

WILLIAM EWING & CO.,

Seed Merchants,

142 McGill and Cor. St. Maurice and St. Henry Streets, MONTREAL.

OUR 

Standard Lawn Grass Mixture

Contains only recleaned grass seeds
... of the first Quality ...

Seed down at the rate of 40 lbs. to 50 lbs. per acre or 1 lb. for 1000 square feet.

Price per lb. 20c.

When mailed 30c.

A Rich and Verdant Lawn

Can be made by applying our

Standard Lawn Dressing

A PURE ORGANIC MANURE

One or two applications in September will thicken up
the Lawn for Winter. 5 to 7 lbs. to 1000 square feet.

Price \$5.00 per 100 lbs.

The ALBERT THOMAS PHOSPHATE POWDER

Specially adapted for Lawn Dressing and Garden Crops.

at \$2.00 per 100 lbs. 3c. per lb.

ALBERT'S CONCENTRATED HORTICULTURAL MANURE

Is the best artificial manure for forcing pot plants.

Per lb 10c.



Lilium Harrisii.